

GORSLOV, Valentin Mikhaylovich; SARAFANNIKOVA, G.A., tekhn.red.

[Wear of cutting tools] Iznos rezhushchego instrumenta. Izd. 3-e.  
Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957.  
26 p. (Nauchno-populiarnaya biblioteka rabocheho stanochnika,  
no.4) (MIRA 11:4)  
(Metal cutting tools)

GORELOV, Valentin Mikhaylovich; SARAFANNIKOVA, G.A., tekhn.red.

[Formation of metal chips] Obrazovanie metallicheskoj struzhki.  
Izd. 3-e. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry,  
1957. 35 p. (Nauchno-populiarnaya biblioteka rabocheho stanochnika,  
no.2) (MIRA 10:12)

(Metal cutting)

ZAKHAROV, Boris Petrovich; KURUKLIS, Georgiy Leonidovich; GORRILOV, V.M.,  
red.; SARAFANNIKOVA, G.A., tekhn.red.

[How to increase the durability of cutting tools] Kak povysit'  
stoikost' rezhushchego instrumenta. Pod red. V.M.Gorelova. Izd.  
3-e. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry,  
1957. 39 p. (Nauchno-populiarnaya biblioteka rabochego stanochnika,  
no.7) (MIRA 11:3)

(Metal cutting tools)

Gorelov V. M.

PHASE I BOOK EXPLOITATION

491

Malikov, Fedor Pavlovich

Soprotivleniye metallov rezaniyu (Resistance of Metals to Cutting)  
3rd ed. Moscow, Mashgiz, 1957. 45 p. (Nauchno-populyarnaya  
biblioteka rabocheho stanochnika, vyp. 3) 10,000 copies printed.

Ed.: Gorelov, V.M., Engineer; Tech. Ed.: Sarafannikova, G.A.;  
Managing Ed. of Ural-Siberian Branch of Mashgiz: Bezukladnikov, M.A.

PURPOSE: This booklet was published by the "Popular Science Library  
of the Machine Tool Operator" to raise the technical level of  
workers and to broaden their theoretical and practical knowledge.

COVERAGE: This booklet discusses the forces acting on the tool during  
cutting and explains the changes in forces which depend on the  
properties of the machined metal, the size of the chip, the

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**Resistance of Metals to Cutting**

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geometry of the tool, etc. Among Soviet scientists studying metal cutting processes are V.D. Kuznetsov, Corresponding Member of the Academy of Sciences, USSR, and professors G.I. Granovskiy, A.M. Rozenberg, M.N. Larin. There are no references.

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AVAILABLE: Library of Congress

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VX/ad  
S-12-58

GORELOV, V. M.

204

AUTHOR: Serebrovskiy, Valeriy B.  
TITLE: Surface Quality of Machine-Parts (Kachestvo poverkhnosti detaley mashin)  
PUB. DATA: MASHGIZ, Gosudarstvennoye nauchno -tekhnicheskoye izdatel'stvo mashino-stroitel'noy literatury, Moscow-Sverdlovsk, 1957, 51 pp., 3rd ed., 10,000 copies  
EDITORS: Gorelov, V. M., Engr.; Publ. House Ed. (Ural-Siberian Branch of MASHGIZ): Bezukladnikov, M.A.; Tech. Ed: Sarafannikova, G.A.; Reviewer: Yarygina, V.P.  
PURPOSE: The purpose of this book (which is one of a series of 27) is to raise the technological level of machine-tool operators and to develop their theoretical and practical skills.  
COVERAGE: The author discusses basic problems in metal-cutting and describes processes of roughness formation on machined surfaces, instruments for measuring the surface finish, and the effect of roughness on machine performance. Interdependence between the geometric features

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Surface Quality of Machine-Parts (Cont)

of cutting tools, methods of cutting, and roughness are investigated. A brief description of modern methods of machine-part finishing is given. The following personalities and their respective fields of research are mentioned: Linnik, V.P., Academician - effect of machine-part roughness on machine performance and instruments for measuring surface finish; Levin and Ammon, Engineers - instruments for measuring surface finish; D'yachenko, A. Ye., Professor - causes of roughness formation on machined surfaces and effect of cutting-tool angles on roughness of finished surfaces; Isayev, A.I., Doctor of Technical Sciences - causes of roughness formation on machined surfaces and methods of cutting and roughness of finished surfaces; Kolesov, V., machinist - causes of roughness formation on machined surfaces; Beletskiy, Candidate of Technical Sciences - methods of cutting and roughness of finished surfaces; Gorelov, V.M. - physical changes in surface layer. The author points out that in recent years new methods of metal finishing have been under development, such as electrolytic polishing and electric spark machining. (No references given).

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*GORELOV V.M.*

PHASE I BOOK EXPLOITATION

490

Gorelov, Valentin Mikhaylovich

Geometriya rezhushchikh instrumentov (Geometry of Cutting Tools)  
3rd ed. Moscow, Mashgiz, 1957. 52 p. (Nauchno-populyarnaya  
biblioteka rabocheho stanochnika, vyp. 6) 10,000 copies printed.

Tech. Ed.: Safarannikova, G.A.; Managing Ed. of the Ural-Siberian  
Branch of Mashgiz: Bezukladnikov, M.A.

PURPOSE: This booklet is published by the "Popular Science Library  
of the Machine Tool Operator" to raise the technical level of  
workers and to broaden their theoretical and practical knowledge.

COVERAGE: The present publication describes in detail the elements of  
cutting tool geometry and presents the scientific principles for  
selection of rational tool geometry as developed by Soviet  
Scientists. Data are included on various elements of tool

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Geometry of Cutting Tools

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geometry, including back rake, clearance, and front clearance angles. Relationships between the wear and stability of the tool and its geometry are discussed. Reference is made to contributions in this field by the collective of the Moskovskoye vyssheye uchebnoye imeni Baumana (Moscow Higher Technical School imeni Bauman) directed by Professor I.M. Besprozvanny. There are no references.

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VK/ad  
8-12-58

GORELOV, V.M.

BRASLAVSKIY, Veniamin Markovich; ZAKHAROV, Boris Petrovich; GORELOV, V.M.,  
insh., red.; SARAFANNIKOVA, G.A., tekhn.red.

[Electric metal-machining processes] Elektricheskie sposoby obrabotki  
metallov. Izd. 3-e. Pod red. V.M.Gorelova. Moskva, Gos.nauchno-  
tekhn. izd-vo mashinostroit. lit-ry, 1957. 53 p. (Nauchno-populiar-  
naya biblioteka rabocheho stanochnika, no.10) (MIRA 11:2)  
(Electric cutting machinery)

KLIMOV, Valeriy Ivanovich; GORELOV, V.M., inzh., red.; DJGINA, E.A.,  
tekhn.red.

[Materials for cutting tools] Materialy rezhushchikh instru-  
mentov. Pod red. V.M.Gorelova. Izd.3. Moskva, Gos.nauchno-  
tekhn.izd-vo mashinostroit.lit-ry, 1958. 42 p. (Nauchno-  
populiarnaya biblioteka rabocheho stanochnika, no.5]  
(Metal-cutting tools)

(MIRA 12:5)

YASHCHERITSYN, Petr Ivanovich; GORBLOV, V.M., inzh., retsenzent;  
LOGKUTOV, V.V., kand.tekhn.nauk, red.; DUGINA, N.A., tekhn.red.

[Grinding] Shlifovanie. Izd.2. Moskva, Gos.nauchno-tekhn.  
izd-vo mashinostroit.lit-ry, 1958. 62 p. (Nauchno-populiarnaya  
biblioteka rabochego-stanochnika, no.20) (MIRA 12:8)  
(Grinding and polishing)

IL'NITSKIY, Iosif Ivanovich; GORELOV, V.M., inzh., retsenzent; SHABASHOV,  
S.P., kand. tekhn. nauk, red.; DUGINA, N.A., tekhn. red.

[Vibrations in machine tools and means of eliminating them] Kolebania  
v metallorazhushchikh stankakh i puti ikh ustraneniia. Moskva, Gos.  
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 143 p.  
(Machine tools--Vibration) (MIRA 11:8)

KURAMZHIN, Aleksandr Valerianovich; GORELOV, V.M., inzh., red.; DUGINA,  
N.A., tekhn.red.

[Planing] Stroganie. Izd.3. Moskva, Gos.nauchno-tekhn.izd-vo  
mashinostroit.lit-ry, 1959. 33 p. (Nauchno-populiarnais biblio-  
teka rabochego-stanochnika, no,13) (MIRA 13:2)  
(Metal cutting)

RABOTIN, Aleksandr Nikolayevich; SHAKHRAI, M.L., prof., retsenzent;  
GORELOV, V.M., inzh., red.; DUGINA, N.A., tekhn.red.

[Precision in the tooling of machine parts] Tochnost'  
obrabotki detalei mashin. Pod red. V.M.Gorelova. Izd.3.  
Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1959.  
41 p. (Nauchno-populiarnaiia biblioteka rabochego stanochnika,  
no.21) (MIRA 12:7)

(Machinery)

KUZNETSOV, Aleksandr Petrovich; GORELOV, V.M., inzh., red.; DUGINA,  
N.A., tekhn.red.

[Drilling] Sverlenie. Pod red. V.M.Gorelova. Izd.3. Moskva,  
Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1959. 45 p.  
(Nauchno-populiarnaiia biblioteka rabochego-stanochnika, no.14)  
(MIRA 13:2)

(Drilling and boring)

PHASE I BOOK EXPLOITATION

SOV/3652

Gorelov, Valentin Mikhaylovich

Rezaniye metallov (Metal Cutting) 2nd ed., rev. and enl. Moscow, Mashgiz, 1959. 255 p. Errata slip inserted. 29,000 copies printed.

Reviewer: S.P. Shabashov, Candidate of Technical Sciences; Ed.: A. I. Rozin, Engineer; Managing Ed. (Ural-Siberian Division, Mashgiz): L.A. Kon'shina, Engineer; Tech. Ed.: N. A. Dugina.

PURPOSE: This book is intended for skilled workers and students of machine-building tekhnikums.

COVERAGE: The book is a popular presentation of the fundamentals of metal-cutting and chip-formation phenomena. Recent achievements and developments in metal cutting, industrial practices, the fundamentals of tool-geometry design, and the proper selection of optimum cutting regimes are discussed. No personalities are mentioned. There are 24 references, all Soviet.

TABLE OF CONTENTS:

Introduction  
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3

PINEZHNIK, Anatoliy Mikhaylovich; GORELOV, V.M., inzh., retsenzent;  
DROBININ, A.F., inzh., red.; DUGINA, N.A., tekhn. red.

[Automation of universal machine tools] Avtomatizatsia univer-  
sal'nykh metallorazhreshchikh stankov. Pod red. A.F. Drobinina.  
Moskva, Mashgiz, 1961. 43 p. (Nauchno-populiarnaya biblioteka  
rabochego-stanochnika, no.29) (MIRA 15:9)  
(Machine tools) (Automation)

PONOMAREV, Viktor Terent'yevich; GORELOV, V.M., inzh., red.;  
DUGINA, N.A., tekhn. red.

[Advice to a young gear cutter] Sovety molodomu zubofreze-  
rovshchiku. Moskva, Mashgiz, 1962. 118 p. (Biblioteka ra-  
bochego-mashinistroitelia. Seriya: Peredovaia tekhnika -  
osnova kommunisticheskogo truda. no.2) (MIRA 15:7)  
(Gear cutting)

SELIVANOV, Gennadiy Yevgen'yevich; KAZANTSEV, Mikhail Yevgen'yevich;  
GORELOV, V.M., inzh., retsenzent; ROZIN, A.I., inzh., red.

[Problems and exercises on metal cutting and metal-cutting tools]  
Sbornik zadach i uprazhnenii po rezaniyu metallov i rezhushchemu  
instrumentu. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.  
lit-ry, 1961. 182 p. (MIRA 15:1)  
(Metal cutting--Study and teaching)

MARGULIS, David Konstantinovich; GORELOV, V.M., inzh., red.;  
DUGINA, N.A., tekhn. red.

[Broaches with varying cutting teeth] Protiashki peremennogo  
rezania. Izd.2., perer. i dop. Moskva, Mashgiz, 1962. 268 p.  
(MIRA 15:5)

(Broaching machines)

GORELOV, Valentin Mikhaylovich; DUGINA, N.A., tekhn. red.

[Formation of metal chips]Obrazovanie metalicheskoi struzhki.  
Izd.4. Moskva, Mashgiz, 1962. 37 p. (Nauchno-populiarnaya bib-  
lioteka rabochego-stanochnika, no.2) (MIRA 16:2)  
(Metal cutting)

KLIMOV, Valeriy Ivanovich; GORELOV, V.M., inzh., red.; DUGINA,  
N.A., tekhn. red.

[Materials for metal-cutting tools] Materialy rezhushchikh  
instrumentov. Izd.4., Pod red. V.M.Gorelova. Moskva, Mash-  
giz, 1962. 45 p. (Nauchhno-populiarnaia biblioteka rabochego-  
stanochnika, no.5) (MIRA 16:5)  
(Metal cutting tools)

MALIKOV, Fedor Pavlovich; GORELOV, V.M., ~~inzh.~~, red.; BUGINA,  
N.A., tekhn. red.

[Resistance of metals to cutting] Soprotivlenie metallov  
rezaniu. Izd.4. Moskva, Mashgiz, 1962. 50 p. (Nauchno-  
populiarnaiia biblioteka rabocheho-stanochnika, no.3)  
(MIRA 17:3)

ZAKHAROV, Boris Petrovich; GORELOV, V.M., red.; DUGINA, N.A.,  
tekhn. red.

[Metals in the manufacture of machinery] Metally v mashino-  
stroenii. Izd.4. Pod red. V.M.Gorelova. Moskva, Mashgiz,  
1962. 82 p. (Nauchno-populiarnaia biblioteka rabocheho  
stanochnika, no.1) (MIRA 16:5)  
(Machinery industry) (Metals)

SAMOYLOV, Sergey Ivanovich, prof.; GORELOV, Valentin Mikhaylovich, inzh.;  
BRASLAVSKIY, Veniamin Markovich, kand. tekhn. nauk; KONDRATOV,  
Yuriy Nikolayevich, inzh.; KALININ, Ignat Andreyevich, inzh.;  
KUROCHKIN, Vasilii Mikhaylovich, inzh.; POPOV, Vladimir  
Artem'yevich, inzh.; KOZLOV, Kirill Georgiyevich, inzh.; FEDOROV,  
Boris Fedorovich, kand. tekhn.nauk; STEPANOV, Valentin  
Vladimirovich, kand. tekhn. nauk; DUGINA, N.A., tekhn. red.

[Technological processes in the manufacture of heavy machinery]  
Tekhnologiya tiashelogo mashinostroeniya. Pod red. S.I.Samolova  
Moskva, Mashgiz, 1962. 589 p. (MIRA 16:4)  
(Machinery industry)

ZAKHAROV, B.P.; GORELOV, V.N., inzhener, redaktor; DUGINA, N.A., tekhnicheskii redaktor

[Metals used in machine construction] Metally v mashinostroenii.  
Pod red. V.M.Gorelova. 2-e izd. Moskva, Gos. nauchno-tekhn. izd-vo  
mashinostroit. lit-ry, 1954. 58 p. (Nauchno-populiarnaiia biblioteka  
rabochego stanochnika, no.1) [Microfilm] (MLRA 8:2)  
(Machinery industry) (Metals)

20/10/00 12  
AUTHOR: Pilyukhanov, L.S., Engineer

135-58-4-18/19

TITLE: Conference on Welding at the Voroshilovgrad Sovnarkhoz (Soveshchaniye po svarke v Voroshilogradskom sovnarkhoze)

PERIODICAL: Svarochnoye Proizvodstvo, 1958, Nr 4, p 47 (USSR)

ABSTRACT: A Conference on problems of introducing automatic and semi-automatic welding to industry was organized on November 30, 1957 by the Voroshilovgrad Sovnarkhoz together with the Ukrainian KP Oblast' Committee. There were 200 representatives of industrial enterprises present. The conference heard the following reports: V.P. Subbotovskiy, a Collaborator of the Institut elektrosvarki imeni Ye.O. Patona AN USSR (Institute of Electrowelding imeni Ye.O. Paton of the AS UkrSSR), on new welding methods; V.P. Gorelov, engineer from the Metallurgicheskii zavod imeni Voroshilova (Metallurgical Plant imeni Voroshilov) on the welding of rollers and machine parts of metallurgical equipment; Vinichenko, chief of the welding section on welding operations at the Diesel locomotive-building Plant imeni Oktyabrskoy Revolyutsii; M.I. Bashkov on experience in welding operations at the coal-mining machine-building plant imeni Parkhomenko; Vorob'yev, a welding operator from the "Voro-

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135-58-4-18/19

Conference on Welding at the Voroshilovgrad Sovnarkhoz

shilovgradugol'"-Combine on cold-welding of cast iron. The Conference decided to organize a technical workshop at the Voroshilovgrad House of Technics, to deliver a series of lectures on welding, and to begin a centralized electrode and carbon-dioxide production and repair of welding equipment.

AVAILABLE: Library of Congress

Card 2/2

*SECRET*

AUTHORS: Shekhter, S.Ya. and Gorelov, V.P. 130-1-13/17

TITLE: Experience of the Automatic Metallisation of Strip-rolling  
Rolls (Opyt avtomaticheskoy naplavki listoprokatnykh valkov)

PERIODICAL: Metallurg, 1958, No.1, pp. 28 - 30 (USSR)

ABSTRACT: The renovation of large steel strip-rolling rolls by automatic metallization was first adopted in the Soviet Union at the imeni Voroshilov (imeni Voroshilova) Metallurgical Works with the active participation of the Institute of Electric Welding of the Ac.Sc. Ukrainian SSR (Institut elektrosvarki AN USSR) imeni Ye.O. Paton and the VNIIOchermet organisation. The authors describe the equipment used (Fig.1), capable of dealing with rolls up to 1 500 mm in diameter and up to 50 tons in weight, a type 1827C mill with two A-384 metallisation units. Rolls are preheated in inductors (Fig.2). Type ПП 3X2B8 sintered electrodes are used with manganese-free flux type AH-20. The authors give details of the metallisation and subsequent heat treatment of rolls. For rolls with a barrel length of 2 800 mm machine, time for depositing one layer is about 27 hours; with both units, the total time for depositing two layers of total thickness 5.2 mm is about 40 hours. Operating experience with metallised rolls showed that time between re-turning was approximately 16 hours instead of the 8 with

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• Experience of the Automatic Metallisation of Strip-rolling Rolls

unmetallised rolls, the wear of the layer along a diameter being 2.3 times less. The authors discuss some of the difficulties encountered, such as disintegration of the surface layer and banding. They give data showing the economic advantages which have resulted from the adoption of metallisation. Recently, the method has been successfully extended to the roughing rolls of the two-high stand of the 2800 mill, the original application being to the finishing rolls. There are 2 figures.

**ASSOCIATION:** imeni Voroshilov Metallurgical Works (Metallurgicheskiy zavod im. Voroshilova)

**AVAILABLE:** Library of Congress  
Card 2/2

GORELOV, V.P.

25(1) PHASE I BOOK EXPLOITATION 50V/3421

Академия наук УССР, Киев, Институт электросварки имени академика Ye. O. Патона  
Vvednye metody svarko svark y progressivnost: Ypp. 2 (Introduction of  
New Welding Methods in Industry). Collection of Articles, No. 2) Kiev, Gos.  
Izdatel'stvo. Literary Publishing BSN, 1959. 194 p. Kyrats also inserted.  
3,000 copies printed.

Ed.: V. Garmush; Tech. Ed.: S. Mub-savich.

PURPOSE: This book is intended for workers in the welding industry.

COVERAGE: The book contains a discussion of welding techniques and problems by  
groups of scientists and welders. Much attention is given to problems in the  
application of new methods of mechanized welding and electric welding.  
This is the second collection of articles under the same title, published  
published by the Institute electrosvarki imeni Ye. O. Patona (Institute of  
Electric Welding imeni Ye. O. Patona). The book is written by Ye. Ye. Paton,  
Academy of the Ukrainian Academy of Sciences and Winner of the Lenin Prize.

There are reviews: Ye. A. Shevchenko (Candidate of Technical  
Sciences), V. M. Chernysh (Engineer, Institut elektrosvarki imeni  
Ye. O. Patona (Electric Welding Institute imeni Ye. O. Patona)), E. P.  
Kuznetsov (Engineer, Zhdanovskiy zavod imeni D. I. Izhba (Plant imeni  
D. I. Izhba)), V. I. Babitskiy (Engineer, Borsal'skiy zavod  
savod (Borsal Boiler Plant)), and V. Y. Gerasimov (Engineer, Boro-  
Krasnortraly mashinostroyeniya zavod (New Krematorsk Machinery  
Plant)). Electro-slag Welding of Steel-plate Construction of Technical Sciences),  
Igha, A. S. (Senior Engineer), A. M. Prida (Candidate of Technical Sciences),  
and V. V. Korsh (Senior Engineer, Institut elektrosvarki imeni Ye. O. Patona  
(Electric Welding Institute imeni Ye. O. Patona)). Making Bodies for Chemical  
Equipment by Electro-slag Welding of Medium-alloyed Steel Forgings 32

Медведев, А. И. (Candidate of Technical Sciences), A. M. Shromkov  
Технический институт электросварки имени Ye. O. Патона (Electric Welding  
Institute imeni Ye. O. Patona), and I. S. Gerasimov (Head of Welding  
Department, Podolskiy mashinostroyeniya zavod imeni S. O. Ord-  
bontaidze (Podolsk Machinery Plant imeni S. O. Ord-bontaidze)). Electro-  
slag Welding of Large Flange of IMB8NY Austenitic Steel 51

Гуревич, Я. М. (Candidate of Technical Sciences), V. P. Babitskiy  
Инженер, З. П. Бабитский (Engineer, Institut elektrosvarki imeni  
Ye. O. Patona (Electric Welding Institute imeni Ye. O. Patona)), E. S. Zhig  
Полтава (Head of Machine Office), and Y. P. Shchepin (Technologist of a  
welding shop). Electro-slag Automatic Arc Welding of Medium and Large  
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Робочее, И. К. (Candidate of Technical Sciences), V. P. Babitskiy  
(Senior Engineer), I. I. Prasin (Candidate of Technical Sciences) Institut  
elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni  
Ye. O. Patona), L. A. Yolkova (Shop Foreman, Dnepropetrovskiy metal-  
lurgicheskiy zavod imeni O. I. Petrovskogo (Dnepropetrovsk Metallurgical  
Plant imeni O. I. Petrovskiy)), V. P. Gerasimov (Shop Supervisor, Alchevskiy  
metallurgicheskiy zavod EMR "T" Voroshilova (Alchevsk  
Metallurgical Plant imeni K. Ye. Voroshilov)), and E. P. Shchepin (Technologist  
[Chief Mechanic, Plant]). Introduction of Automatic Electro-slag Welding in  
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Лешарич, Б. Л. (Candidate of Technical Sciences), E. L. Medved'-  
beff (Candidate of Technical Sciences) Institut elektrosvarki imeni  
Ye. O. Patona (Electric Welding Institute imeni Ye. O. Patona))  
E. O. Evashchukiy (Candidate of Technical Sciences; Ultrasonic machino-  
Iskudovatel'skiy Trubnyy Institut Ukrainian Scientific and Research  
Institute of Pipes); and S. A. Pavlov (Chief Engineer, Chief Party  
tribe-probnyy zavod (Chapubnyy Pipe-Work Plant)). Pipes  
in Straight-seam Welding Institute, Institut imeni Ye. O. Patona  
(Electric Welding Institute imeni Ye. O. Patona), K. A. Zasko (Chief  
Engineer, Sverdlovsk-mashinostroyeniya zavod (Welding and Assembling Plant)), and  
A. M. Kuznetsov (Chief of the Department of Gas Pipeline Construction),  
Olavgas SLER (Ye in Administration of the Gas Industry of the USSR). Mech-  
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Савалев, Г. В. (Candidate of Technical Sciences, Winner of Lenin  
Prize), Institut elektrosvarki imeni Ye. O. Patona (Electric Welding  
Institute imeni Ye. O. Patona), A. A. Muravskiy (Chief Engineer,  
Ukrainian Party; (Ukrainian Main Administration for the Administration  
and Construction of Pipelines), Ministry of the Heavy Industry of the  
Soviet Union), and V. P. Shchepin (Technologist, Borsal'skiy zavod imeni  
D. I. Izhba). Introduction of the Method for Weldments in the  
Metallurgical Industry 118

GORELOV, V.P.

FRASE I BOOK EXPLORATION SOV/SOTB

Abstracts nauk USSR, Kiev. Institut elektrosvarivaniya  
1973. (Introduction of New Welding Methods in Industry Col-  
lection of Articles, V. 3) Kiev, Gos. izd-vo tekhn. lit-ry  
USSR, 1960. 207 p. 5,000 copies printed.

Sponsoring Agency: Ordena Trudovogo Krasnogo Znameni Institut  
elektrosvarki imeni Akademika Ye. O. Patona Akademii nauk  
Ukrainskoy SSR.

Rd.: N. Pitarenko; Tech. Ed.: S. Makusovich.

FORPOST: This collection of articles is intended for personnel in  
the welding industry.

COVERAGES: The articles deal with the combined experiences of the  
Institute elektrosvarki imeni Ye. O. Patona (Electric Welding  
Institute imeni Ye. O. Paton) and several industrial enterprises  
in solving scientific and engineering problems in welding

technology. Problems in the application of new methods of me-  
chanized welding and electrodeless welding in industry are discussed.  
This is the third collection of articles published under the name  
SOTB. The foreword was written by B. Ye. Paton, Academician of  
the Academy of Sciences Ukrainian SSR and Lenin prize winner.  
There are no references.

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Some aspects of events in aviation related to the state of health.  
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Characteristics of the geological structure of the Kadat-Khampaladag  
ore zone in Northern Ossetia. Izv. vys. ucheb. z<sub>n</sub>v.; tsvet. net. 6  
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1. Severokavkazskiy gornometallurgicheskiy institut, kafedra geo-  
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GORELOV, Ya.P.

Testing the trunnions of Bamberg's transit instrument no.9327 by means of  
autocollimation. Soob.GAISH no.55:3-19 '50. (MIRA 6:6)

1. Gosudarstvennyy astronomicheskiy institut imeni P.K. Shternberga.  
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GOBELOV, Ya.P.

Differential method for studying the pivots of a transit instrument.  
Soob.GAISH no.82:3-14 '52. (MIRA 7:5)  
(Transit instruments)

GORSLOV, Ya.P.

Variation in the deviation of the horizontal axis of a Bamberg transit instrument as a function of temperature change. Soob.GAISH no.90/91:  
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CHERVYAKOVA, A.F.; PLUZHNIKOV, V.Kh.; GORELOV, Ya.P.; SHERBAUM, L.M.;  
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Results of photographic observations of artificial satellites.  
Biul.sta.opt.nabl. isk.sput.Zem. no.25:23-28 '62. (MIRA 15:7)

1. Nachal'nik stantsii nablyudeniya iskusstvennykh sputnikov Zemli Instituta astrofiziki AN Turkmenskoy SSR (for Chervyakova).
  2. Nachal'nik Khar'kovskoy stantsii nablyudeniya iskusstvennykh sputnikov Zemli (for Pluzhnikov).
  3. Nachal'nik stantsii nablyudeniya iskusstvennykh sputnikov Zemli Gosudarstvennogo astronomicheskogo instituta im. P.K.Shternberga (for Gorelov).
  4. Astronomicheskaya observatoriya Kiyevskogo universiteta (for Sherbaum).
  5. Stantsiya Astronomicheskogo soveta AN SSSR (for Krylov, Sentsova).
  6. Nachal'nik Tomskoy stantsii opticheskikh nablyudeniya iskusstvennykh sputnikov Zemli (for Kharin).
- (Artificial satellites--Tracking)

GORELOV, Ye.A.; DREL', A.A.

Primary cancer of the duodenum. Vrach. delo no.9:111-112 S '60.  
(MIRA 13:9)

1. Pervoye khirurgicheskoye otdeleniye (nachal'nik otdeleniya -  
S.A. Orlovskiy) Okruzhnogo Voyennogo gospihalya i Okruzhnaya  
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USSR/Cultivated Plants - Grains

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53563

Author : Gorelov, Ye.P.

Inst : Uzbek Agriculture Institute

Title : Growing Naked Barley in Uzbekistan

Orig Pub : Nauchn. tr. Uzb. s.-kh. in-t, 1956, 9, ch I, 149-156

Abstract : The trials of 8 varieties of naked barley sown under arid and irrigated conditions were conducted in 1952-1953 at the Agricultural Institute (Samarkand). The grain of naked barley is of higher quality than the grain of the coated grain variety. In addition, some varieties produced higher yields than the coated grain variety Persicum 64 used as control. With irrigation, the following varieties appeared as promising with regard to the gross yield: viride, nudum, brunnei-nudum

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USSR/Cultivated Plants - Grains

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53563

and subnudum. Under dry farming conditions the following were promising: viride, nigri nudum, nudum and brunneinudum. -- G.N. Chernov

Card 2/2

DIVEYEV, R.Kh.; GORELOV, Ye.P., kand. sel'skokhoz. nauk; YEDGAROV, D.

Intensive use of irrigated Sierozems. Zemledelie 26 no.9:12-13  
S '64. (MIRA 17:11)

1. Samarkandskiy sel'skokhozyaystvennyy institut (for Diveyev, Gorelov). 2. Glavnyy agronom sovkhoza "Dagbid" Poyarykskogo proizvodstvennogo upravleniya, Samarkandskoy oblasti (for Diveyev). 3. Samarkandskaya zonal'naya opyt'naya stantsiya (for Yedgarov).

3. 2200

80250

S/040/60/024/02/14/032

AUTHOR: Gorelov, Yu. A. (Moscow)

TITLE: On two Classes of Plane Extremum Motions of a Rocket in the Vacuum

PERIODICAL: Prikladnaya matematika i mekhanika, 1960, Vol. 24, No. 2  
pp. 303-308

TEXT: The author investigates conditions under which the motion of a rocket on a curvilinear trajectory is extremum with respect to time and to mass consumption. The rocket is assumed to be perfectly controllable, i. e. it can instantly attain the direction desired. This assumption permits to manage with the impulse equations alone, while the angular momentum equations are always satisfied. The mass of the rocket is considered as variable. The determination of the extremum trajectories in the above sense for given initial and final position and for given initial and final weight is reduced to a usual variation problem. The solution is carried out separately for plane motions in the horizontal and in the vertical plane. The aerodynamic forces are neglected. The author states that the timely extrema simultaneously guarantee a minimum fuel consumption. There are 3 figures, and 1 Soviet reference.

SUBMITTED: May 6, 1959  
Card 1/1

GORELOV, Yu.K.

Effect of the heavy snows of the winter of 1956-1957 on ungulates  
of the Badkhyz Uplands (southeastern Turkmenistan). Izv. AN Turk.  
SSR no.2:71-73 '59. (MIRA 12:6)

1. Badkhyzskiy gosudarstvennyy zapovednik.  
(Badkhyz Uplands--Ungulata)

GORELOV, Yu.

Distribution of the bezoar goat in the northwestern Badkhyz  
Upland (southeastern Turkmenistan). Izv. AN Turk. SSR no. 4:62-64  
'59. (MIRA 13:8)

1. Badkhyzskiy zapovednik.  
(Badkhyz Upland--Bezoar goat)

GORELOV, Yu., rulevoy-motorist

Freighter motorships can be handled with a reduced staff. Rech.  
transp. 22 no.5:52 My '63. (MIRA 16:8)

1. Teplokhod "Beloretsk."  
(Motorships)

GORELOV, Ya.A. (Moskva)

Theory of extremal motions of a variable-mass point in a central  
gravitation field. Inzh. zhur. 5 no.3:536-540 '65.

(MIRA 18:7)

GORELOV, Yu.K.

Occurrence of the Asiatic ibex in Badkhyz (southeastern Turkmenistan).  
Biul. MOIP. Otd. biol. 66 no.6:146-147 N-D '61. (MIRA 14:12)  
(BADKHYZ--IBEX)

GOBELOV, Yu. K.

Leopard and porcupine. Priroda 52 no.1:118-119 '63.  
(MIRA 16:1)

1. Badkhyzskiy gosudarstvennyy zapovednik.

(Turkmenistan--Leopard)  
(Turkmenistan--Porcupines)

MARININA, L. S.; GORELOV, Yu. K.

Third All-Union Conference on the Zoogeography of Land. Izv. AN  
Turk. SSSR. Ser. biol. nauk no. 6:91-92 '63. (MIRA 17:5)

1. Institut zoologii i parazitologii AN Turkmenskoy SSSR.

GORELOV, Yu.K.

Watering places of argalis (*Ovis ammon cycloceros*) in the Badkhyz  
Preserve. *Biul.MOIP.Otd.biol.* 69 no.2:61-70 Mr-Ap '64.  
(MIRA 17:4)

GGRELOV, Yu.K.

Influence of anthropogenic factor on the distribution and  
abundance of uncolates in Badkhyz. Izv. Ak Turk. SSR. Ser.  
biol. nauk no.3:55-60 '65. (MIRA 18:9)

1. Badykhazskiy gosudarstvennyy zapovednik.

GORELOV, Yu.K.; ORLOV, Yu.A.

Color forms of the Indian rat snake (*Ptyas mucosus* L.). Izv. AN  
Turk.SSR.Ser.biol.nauk no.4:94-95 '65. (MIRA 18:9)

1. Badkhyzskiy gosudarstvennyy zapovednik i Kirgizskaya baza  
Vsesoyuznogo zoob"yedineniya.

SAPOZHENKOV, Yu.F.; GURELOV, Yu.K.; ZHERNOVOY, I.V.; SVYATOV, V.I.

Distribution and ecology of the ratel (*Mellivora capensis indica* Kerr.) in Turkmenistan. Zool. zhur. 42 no.6:961-964 (MIRA 16:7) '63.

1. The State University of Moscow, Turkmenian Anti-Plague Station, Ashkhabad and Game Preserve of Badkhyz.  
(Turkmenistan--Ratel)

1. GORELOV, Z.; KUKTA, G.
2. USSR (600)
4. Cotton Machinery
7. Problems of over-all mechanization in unirrigated cotton growing.  
Khlompokovodstvo no. 8, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

TAMANAYEV, N.A.; GORBLOVA, A.A., redaktor; YEVDOKIMOVA, Z.N., tekhnicheskii  
redaktor; RAKOV, S.I., tekhnicheskii redaktor

[Drop-test method; qualitative analysis of inorganic compounds  
using the drop-test method] Kapel'nyi metod; kachestvennyi analiz  
neorganicheskikh soedinenii kapel'nyim metodom. Izd. 6-e perer. i  
ispr. Moskva, Gos. nauchno-tekhn. izd-vo khimicheskoi lit-ry,  
1954. 271 p. (MLRA 7:9)  
(Spot tests (Chemistry)) (Chemistry, Analytical---Qualitative)

5(2)

AUTHORS: Gorelova, A. A., Polyak, L. Ya. SOV/32-25-3-9/62

TITLE: Potentiometric Method of Determining Aluminum in Heat-resistant Alloys on a Nickel Basis (Potentsiometricheskiy metod opredeleniya alyuminiya v zharoprochnykh splavakh na nikel'evoy osnove)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 285 - 287 (USSR)

ABSTRACT: S. K. Chirkov (Ref 3) suggested a potentiometric method of titration of aluminum with sodium fluoride in a hydrochloric medium buffered with sodium acetate by using an Al-Ni/Cr electrode. On the basis of this suggestion a rapid method for the determination of aluminum in heat-resistant alloys on a nickel basis was devised without the necessity of separating aluminum. The two reactions  $Al^{3+} + 6 F^{-} \longrightarrow [AlF_6]^{3-}$  and  $Al^{3+} + 3 F^{-} \longrightarrow AlF_3$  were investigated and two varieties of titrations were carried out (Fig). It was found that Ti(III) (0.2 - 2.0%), Ti(IV) (up to 0.8%), Cr(III) (up to 14%),

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Potentiometric Method of Determining Aluminum in Heat-resistant Alloys on a Nickel Basis SOV/32-25-3-9/62

W(VI), Fe(III) (up to 0.25%), and Fe(II) do not disturb the determination of aluminum. Small amounts of Cr(II) inhibit the activity of the aluminum electrode. In the presence of Mo(VI) a specific adsorption of Mo takes place on the electrode surface while the tri-, tetra-, and pentavalent form of Mo has no disturbing influence. The components of the heat-resistant alloys Ni, Cr(III), Fe(II), Mo(III), W(VI), and Ti(III) do not disturb the potentiometric determination of aluminum with sodium fluoride in the two reactions mentioned above. Admixtures of Cu, As, Sn, and Sb which coat the aluminum electrode are removed by an addition of zinc to the acid solution of the alloy. The method described takes considerably less time than the gravimetric determinations and operates with maximum errors of  $\pm 0.2\%$ . The course of analysis for both titration varieties is given. There are 1 figure, 1 table, and 3 Soviet references.

Card 2/2

GORELOVA, A. S. akusherka

A midwife's role and tasks in cancer control. Fel'd. i akush. no.2:  
24-28 F '55. (MLRA 8:4)

1. Stantsiya Yartsevo Kalininskoy zheleznoy dorogi.  
(GENITALIA, FEMALE, neoplasms,  
prev. & control, role of midwife)  
(MIDWIVES,  
role in cancer control)

GORELOVA, E.M.

Level fluctuations of lakes in the southeastern Ural Mountain  
region in the historical past. Trudy Lab. ozeroved, 15:145-156  
'63.

(Ural Mountain region--Lakes)

(MIRA 16:3)

GORELOVA, Gertruda Isaakovna; REMIZOV, Viktor Ivanovich; UKHIN,  
Pavel Nikolayevich; FOMIN, A.A., red.; REZNIK, A.A.,  
tekhn. red.

[Principles of radio engineering and radio-television  
systems] Osnovy radiotekhniki i kinoradioustanovki. Mo-  
skva, Izd-vo "Iskusstvo," 1963. 294 p. (MIRA 16:11)  
(Radio) (Television)

USSR / Pharmacology, Toxicology. Analeptics.

V

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85122.

Author : Drake, K. V., Gorelova, G. N.

Inst : Not given.

Title : The Action of Preparations of Ginseng on the Latent Period of the Flexor Reflex in the Rabbit.

Orig Pub: In the collection, Materialy k izuch. zhen'shenya i limonnika, No 3, Leningrad, 1958, 18-23.

Abstract: Studies were made of the action of a liquid extract of the root of the ginseng (G) and of "pan-axocide" (P) on the processes of reflex transmission of impulses in the CNS. The studies utilized the latent period of the flexor reflex of the hindlimb of the rabbit as an indicator. The experiments were performed on adult male rabbits weighing about 3 kg. G in a dose of 0.4 ml and P in a dose of

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17

USSR / Pharmacology, Toxicology. Analeptics.

V

Abs Jour: Ref Zhur-Biol., No 18, 1958. 85121.

Abstract: young, healthy dog of the strong, equilibrated, mobile type of nervous system, G did not alter the functional state of the cortex. In healthy dogs with comparatively weak processes of inhibition (unrestrained), and in those with weakening of both processes (the weak type), the systematic use of G caused a temporary strengthening of the internal inhibition and an equalizing of the cortical processes. From the author's summary.

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L 41182-65 EWT(d)/EWP(c)/EWP(v)/T/EWP(x)/EWP(1) Pf-4  
ACCESSION NR: AP5004677 S/0115/64/000/009/0056/0059

AUTHOR: none

TITLE: Fourth scientific and technical conference on "Cybernetics for the improvement of measurement and inspection methods"

SOURCE: Izmeritel'naya tekhnika, no. 9, 1964, 58-59

TOPIC TAGS: cybernetics, electric measurement, <sup>amm</sup>electric quantity instrument, digital computer, electronic equipment, electric engineering conference

ABSTRACT: The conference was held 1-4 July at the All-Union Scientific Research Institute of Metrology by the Section of Electrical Measurements of the Council on the Problem of "Scientific Instrument Making" of the State Committee on Coordination of Scientific Research Work in the USSR together with the All-Union Scientific Research Institute of Electrical Measurement Instruments and the Leningrad Regional Administration of the Scientific and Technical Division of the Instrument Making Industry. More than 400 delegates from 29 cities of the country participated. Fifty-seven reports were heard and discussed. Reports were given by: P. V. NOVITSKIY (Leningrad)--"Definition of the Concept of Informational Error in Measurement and its Importance in Practical Use" and "On the Problem of the Average Informational Criterion of Accuracy Throughout the Entire Scale of an Instrument"; Ya. A.  
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ACCESSION NR: AP5001677

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KUPERSHMIOT (Moscow)--"On Determination of the Criteria of Accuracy for Measurement Devices"; S. M. MANDEL'SHTAM (Leningrad)--report on a new criterion of accuracy of measurement instruments; P. F. PARSHIN (Leningrad)--report on optimization when using Fourier transforms on electronic digital computers; S. P. EMITRIYEV, G. Ya. DOLGINTSEVA and A. A. IGnatoy (Leningrad)--proposal of a new method for solving problems of optimum filtering for non-stationary random signals and interference; I. B. CHELPAKOV--"Calculation of the Dynamic Characteristics of an Optimum Complex Two-Channel System which Uses Signals from a Position Meter and from a Speed Meter"; R. A. POLUSKTOV (Leningrad)--"Optimum Periodic Correction in the Measurement of Continuous Signals"; S. P. ADAMOVICH (Moscow)--"Analysis and Construction of Devices for Correction of Non-linearity and Scaling for Unitary Codes; G. V. GORELOVA (Taganrog)--"A Method for Statistical Optimization in Graduating the Scales of Electrical Measuring Instruments"; M. A. ZEMEL'MAN (Moscow)--"Analog-Digital Voltage Converter with Automatic Error Correction"; B. N. MALINOVSKIY, V. S. KALEKCHUK and I. A. YANOVICH (Kiev)--"Automatic Monitoring of the Parameters of the Electrical Signals of Complex Radio and Electronic Equipment"; V. P. PEROV (Moscow)--"Operational Cybernetics as an Independent Scientific Specialization"; Ye. N. GIL'BO (Leningrad)--"On the Problem of Effective Non-linear Scales"; A. I. MARKELOV (Moscow)--"Devices for Preliminary Processing of the Results of Measurements Presented in the Form of

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ACCESSION NR: AP5004677

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Graphic Recordings For Subsequent Introduction of the Information into Universal Digital Computers"; O. M. MOGILSVER and S. S. SOKOLOV (Leningrad)--"On a Method for Reducing Excess Information"; T. V. NIKOLAYEVA (Leningrad)--"A Device for Temporal Discretization of Continuous Signals"; A. A. LYOVIN and M. L. BULIS (Moscow)--"Optimization of the Transmission of Telemetric Information as a Means for Raising the Efficiency and Eliminating Interference"; D. E. GUKOVSKIY (Moscow)--"On a Statistic Approach to the Detection of Events in Automatic Inspection"; M. I. LANIN (Leningrad)--"Method for Calculating the Holding Time of Communications in a Centralized Inspection System or Constant Servicing Time"; O. N. BRONSHTEYN, A. L. RAYKIN and Y. V. RYKOV (Moscow)--"On a Single-Line Mass Service System with Losses"; V. M. SHLYANDIN (Penza)--report on circuit designs for direct compensation electrical digital measuring instruments; A. N. KOMOV (Novocherkassk)--report on a new method for compensation of digital bridges; M. N. GLAZOV (Leningrad)--report on the problem of voltage-to-angular rotation conversion; V. S. GUTNIKOV (Leningrad)--"Methods for Construction of Frequency Capacitance Pickups with a Linear Scale"; B. Ya. SYROPYATOVA and R. R. KHARCHENKO (Moscow)--report on the determination of the amplitude-frequency and phase characteristics of PFM and PWM modulators; Ye. I. TERNYAKOV (Novocherkassk)--"The Phototransistor as a Switch for Electrical Measurement Purposes"; N. V. MALYGINA (Leningrad)--a report on ways for making universal equipment for measurement of current, voltage and power; P. P. ORNATSKIY and V. I. ZOZULYA (Kiev)--reports on the construction of static voltmeters, wattmeters and

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ACCESSION NR: AP5004677

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phase meters; A. V. TRIKHANOV, I. G. SMYSHLYAYEV, N. I. SABLIN, V. M. RAZIN and V. A. GORBUNOV (Tomsk)--report on a device for automatic processing of the measurements of vibration amplitudes of pneumatic hammers; L. K. RUKINA and V. G. KNORRING (Leningrad)--report on the development of a digital compensator for measuring pressure, force, etc.; N. B. DADUKINA (Leningrad)--report on a method for constructing frequency pickups for gas analysis; Yo. M. KARPOV, V. A. BRAZHNIKOV and B. Ya. LIKHITSINDER (Kuybyshov)--reports on analysis and recording of boring speeds; Yu. V. PSHENICHNIKOV (Kuybyshov)--"A High Speed Voltage-to-Digital Code Converter for so Pickups"; G. P. VIKHROV and Y. K. ISAYEV (Vilna)--"A Highly Accurate Digital Peak-to-Peak Voltmeter"; and S. M. PERSIN (Leningrad)--"A Low Level Analog-Digital Voltage Converter."

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EE, EC

NO REF SOV: 000

OTHER: 000

JPRS

*me*  
Card 4/4

REZNIKOVA, O.Yu.; MARISOVA, A.P.; GORELOVA, I.L.

Bacterial picture in pneumonias in children and resistance of  
Pneumococcus to sulfapyridine and penicillin. First report:  
Significance of Pneumococcus in pneumonia in children. *Pediat-*  
*riia* no.2:22-26 Mr-Apr '54. (MLRA 7:6)

1. Iz *Bostovskogo nauchno-issledovatel'skogo instituta epidemi-*  
*logii, mikrobiologii i gigeny* (dir. dotsent A.A.Velikiy)  
(PNEUMONIA, bacteriology,  
\*Pneumococcus in child.)  
(PNEUMOCOCCAL INFECTIONS,  
\*pneumonia in child.)

REZNIKOVA, O.Yu.; MORISOVA, A.P., GORELOVA, I.L.

Bacterial picture in pneumonias in children and pneumococcal resistance to sulfapyridine and penicillin. II. Sulfapyridine and penicillin resistance of pneumococci isolated from children with pneumonia. *Pediatrics* no.1:21-24 Ja-F '55. (MIRA 8:5)

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii i gigieny (dir. dotsent A.A.Velikiy).

(PNEUMOCOCCUS INFECTIONS,

pneumonia in child., penicillin & sulfonamide resist. of isolated bact.)

(PNEUMONIA, in infant and child.,

pneumococcal resist. to penicillin & sulfonamides after isolation in child.)

(PENICILLIN, effects,

on pneumococcus isolated in pneumonia in child., resist.)

(SULFONAMIDES, effects,

on pneumococcus isolated in pneumonia in child., resist.)

KOLESNIKOVA, T.A.; GOHELOVA, K.Ye.

Ways for an efficient utilization of gas by-products of  
Bashkiria refineries. Trudy BashNII NP no.1:20-30 '59.  
(MIRA 12:6)

(Bashkiria--Petroleum--Refining)

*Cholesterol*  
LOBANOV, D.I.; VASIL'YEVA, E.N.; GORELOVA, L.D. (Moskva)

Cholesterol content of certain foods [with summary in English].  
Vop.pit. 17 no.2:39-42 Mr-Apr '58. (MIRA 11:4)

1. Iz tekhnologicheskoy laboratorii (zav. - prof. D.I.Lobanov)  
Instituta pitaniya AMN SSSR, Moskva.  
(CHOLESTEROL, determination  
in various foods (Rus))  
(FOOD,  
cholesterol content & eff. of cooking (Rus))

CORELOVA, I. P.

USSR/Experimental Morphology

Card 1/1

Author : Corelova, L. P.

Title : Regeneration of tissues and organs in amphibia under conditions of upset innervation

Periodical : Dokl. AN SSSR, 96, Ed. 2, 415 - 418, May 1954

Abstract : It is known that the nervous system plays a major role in the regeneration of tissues and organs in amphibia. Various experiments showed that the regeneration of a denervated amputated extremity begins at the moment when the regenerating nerve reaches the zone of amputation. A direct bond between the regenerating part and the central nervous system is absolutely necessary not only at the beginning of the regeneration process but also for the entire regeneration process. Nine references.

Institution : The Kirghiz State Medical Institute

Presented by : Academician A. I. Abrikosov, March 9, 1954

KOLYANDR, L.Ya., kand.tekhn.nauk; GORELOVA, L.Z.

Refining of crude benzol. Zhur. VKHO 5 no.1:18-27 '60.  
(MIRA 14:4)

(Benzene)

GORELOVA, M. I.

PA 54/49722

USSR/Chemistry - Water Purification  
Boilers

Jul 49

"An Experiment in Utilizing the Additional Absorption Capacity of Cationite Filters and Acid Washing of Glaucosite," M. I. Gorelova, Engr, 2 pp

"Za Ekonomiyu Topliva" No 7

A factory had two boilers, an old one without a water-purifying unit and a new one using a combined water-purifying arrangement (lime treating, coagulation, and cationization). Factory carried out a series of measures which permitted the supply to the old boiler to be changed from unpurified to cationized water without additional capital investment.

54/49722

VIDRO, L.I.; GORELOVA, M.N.; VELIKANOVA, Ye.I.

Satisfactory conditions for the primary annealing of glass parts.  
Stek. 1 ker. 13 no.10:10-12 0 '56. (MLRA 9:12)  
(Glass manufacture)

ROSTOVTSEVA, I.A.; DARDA, P.N.; BASHKATOV, S.F.; GORELOVA, M.P.

Immunobiological properties of the Asia-1 strain of the  
foot-and-mouth disease virus. Veterinariia 42 no.9:15-17  
S '65. (MIRA 28:11)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh  
preparatov (for Rostovtseva, Darda, Bashkatov). 2. Tadzhikskiy  
nauchno-issledovatel'skiy veterinarnyy institut; nauchnyy  
rukovoditel' raboty professor N.V.Likhachev (for Gorelova).

ACC NR: <sup>L 10362-66</sup> AP5028190 <sup>ERT(1)/EWA(3)/EWA(b)</sup> SOURCE CODE: UR/0346/65/00C/009/0015/0017

AUTHOR: <sup>44, 55</sup> Rostovtseva, I. A.; <sup>44, 55</sup> Darda, P. N.; <sup>44, 55</sup> Bashkatov, S. F.; <sup>44, 55</sup> Gorelova, M. P.

ORG: State Scientific Control Institute of Veterinary Preparations (Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov); Tadjik Scientific Veterinary Research Institute (Tadjikskiy nauchno-issledovatel'skiy veterinarnyy institut)

TITLE: Immunobiological properties of an Asia-1 type strain of foot and mouth disease virus

SOURCE: Veterinariya, no. 9, 1965, 15-17

TOPIC TAGS: foot and mouth disease, animal disease, veterinary medicine, immunology

ABSTRACT: The virus under study (which was obtained from outside the USSR) differed in serological and biological properties from the O, A, and C types and from SAT-1 and is regarded by the authors as an Asia-1 type. The serum obtained from hyperimmunized guinea pigs proved to be type-specific Asia-1. Experimental trials of a series of aluminum hydroxide formolized vaccines prepared from lapinized foot and mouth disease virus of the Asia-1 type showed it to be safe, avirulent, and immunogenic for cattle. Orig. art. has: 3 tables.

SUB CODE: 06/      SUBM DATE: ~~07~~ none      ORIG REF: 001/      OTH REF: 003  
UDC: 619 : 616.988.43=097

Card 1/1

6.9417

83231

S/033/60/037004/003/012

AUTHORS: Vitkevich, V.V. and Gorelova, M.V. <sup>EO32/E314</sup>

TITLE: Dynamic Spectra and Principal Characteristics of Short-duration Peaks (Pips) in Solar Radio Emission 12

PERIODICAL: Astronomicheskii zhurnal, 1960, Vol. 37, No. 4, pp. 622 - 630

TEXT: The observations reported in the present paper were carried out at the Krymskaya nauchnaya stantsii FIAN (Crimean Scientific Station of FIAN). The multichannel radiospectrograph, described by the first of the present authors et al in Ref 1, was employed. The existence of well-defined types of peaks and also groups of peaks was established. Two types of peaks were detected, namely, narrow-band ( $P_1$ ) and wideband ( $P_2$ ). Figure 1 gives the histograms of the duration of the peaks on 140, 107 and 77 Mc/s, respectively. A further type of peak is denoted by L and has a relatively long duration. Other effects detected consist of the appearance of groups of peaks which are classified as  $P_{S_1}$  (narrow-band groups consisting of narrow-band peaks),  $P_{S_2}$  (wide-band peaks forming wideband groups) and, finally,  $P_{S_3}$  (narrow-band

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S/033/60/037/04/003/012

E032/E314

Dynamic Spectra and Principal Characteristics of Short-duration Peaks (Pips) in Solar Radio Emission

peaks independent of each other and forming a wideband group). A detailed classification and description of all these types is given. A typical L record is shown in Fig. 5, while Figs. 8 and 10 show typical  $P_{g1}$ ,  $P_{g2}$  and  $P_{g3}$  records. The principal characteristics of the various types of peaks in the metre range are summarised in the following table:

	$I/I_0$	$\tau, s$	$\Delta v, V$ Mc/s	$V$ Mc/s	$V'$ km/s	No. of peaks per hr during an active day	Polarization	
$P_1$	~ 1	0.8	<4	-	-	120	Up to 100% in 82% of cases	
$P_2$	~ 1	0.8	13	-17	~ 0.1c	30	No data	
$P_{g1}$	~ 3	1/30	<4	-	-	2	"	
$P_{g2}$	~ 3	2/60	≥70	-20-+20	~ 0.1c	1	"	
$P_{g3}$	~ 3	1/60	~20	-	-	1	"	
L	~ 2	5-6	≥70	-3 -	-20 10 <sup>3</sup>	~ 0.1c	5	"

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S/033/60/037004/003/012

E032/E314

Dynamic Spectra and Principal Characteristics of Short-duration Peaks (Pips) in Solar Radio Emission

In the above table,  $I/I_0$  is the intensity expressed as a fraction of the intensity for an undisturbed Sun,  $\tau$  is the duration,  $\Delta\nu$  is the bandwidth,  $V$  is the frequency drift velocity,  $V'$  is the velocity of the corresponding motion of the disturbing agent through the solar corona subject to the condition that the emission takes place from the level  $n = 0$ . There are 10 figures, 1 table and 7 references: 4 Soviet and 3 English. X

ASSOCIATION: Fizicheskiy institut im. P.N. Lebedeva  
Akademii nauk SSSR (Physics Institute im.  
P.N. Lebedev, Academy of Sciences of the USSR)

SUBMITTED: September 17, 1959

Card 3/3

3.1720

S/033/62/<sup>39538</sup>039/004/004/008  
E032/E514

AUTHORS: Alekseyev, Yu.I., Babiy, V.I., Vitkevich, V.V.,  
Gorelova, M.V. and Sukhovey, A.G.

TITLE: Observations of solar radio-emission in the metre  
range during the total solar eclipse of February 15,  
1961

PERIODICAL: Astronomicheskiy zhurnal, v.39, no.4, 1962, 643-652

TEXT: The observations were carried out at the Krymskaya  
nauchnaya stantsiya laboratorii radioastronomii FIAN (Crimean  
Scientific Station of the Radioastronomical Laboratory of FIAN)  
using the multichannel radiospectrograph described earlier  
(V.V.Vitkevich, Z.I.Kameneva, D.V.Kovalevskiy, Radiotekhnika i  
elektronika, 1, No.6, 864, 1956; V.V.Vitkevich, Tr.5 soveshchaniya  
po voprosam kosmogonii 9-12 marta 1955 g., Radioastronomiya,  
Izd-vo AN SSSR, 1956, p.14). Various improvements have recently  
been introduced into this spectrograph and its wavelength range  
extended. The working range is 40-150 Mc/sec. There are  
sixteen channels and the sensitivity in each channel is  
 $10^{-22}$  W/m<sup>2</sup> cps. Detailed results are now reproduced in the form  
Card 1/2

Observations of solar ...

S/033/62/039/004/004/008  
E032/E514

of graphs for the 1.5-4 m range. Analysis of the results is used to determine the radio diameter of the sun which is found to be:

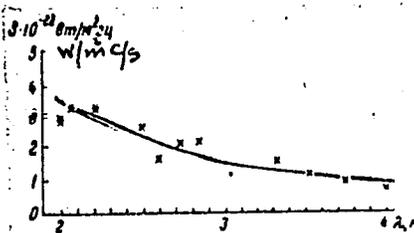
$$D_p = 0.035\lambda^2 - 0.035\lambda + 1.28,$$

where  $\lambda$  is in metres and  $D_p$  is in units of the optical diameter of the sun. Fig.9 shows the dependence of the intensity of solar radiation on wavelength. The computed effective radio temperature turned out to be practically the same for all wavelengths ( $7.5 \times 10^5$  °K). There are 9 figures and 1 table.

ASSOCIATION: Fizicheskiy in-t im. P.N.Lebedeva Akademii nauk SSSR  
(Physics Institute imeni P.N.Lebedev, AS USSR)

SUBMITTED: September 6, 1961

Fig.9



Card 2/2

BABLY, V.I.; VITKEVICH, V.V.; VIASOV, V.I.; GORELOVA, M.V.; SUGHOVEY, A.G.

The solar supercorona from observations made during 1959-1963.  
Astron. zhur. 42 no.1:107-116 Ja-F '65.

(MIRA 18:2)

1. Fizicheskiy institut im. P.N. Lebedeva AN SSSR.

L 58503-65 EWT(l)/EWP(m)/FCC/EPR/FCS(k)/EMA(l)  
ACCESSION NR: AP5013178

Ed-1/Pi-1 3M/GH  
UR/0352/65/001/004/0465/0466

39  
31  
B

AUTHOR: Gorelova, M. V.

TITLE: Symposium on the research in exchange processes in the boundary layers of the atmosphere and hydrosphere

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 1, no. 4, 1965, 465-466

TOPIC TAGS: meteorologic conference, meteorology, atmospheric boundary layer, oceanography, atmospheric turbulence, atmospheric physics

ABSTRACT: A symposium entitled "Studies of Exchange Processes in the Boundary Layers of the Atmosphere," organized jointly by the Marine Hydrophysical Institute of the Ukrainian Academy of Sciences and the Main Geophysical

Institute of the Ukrainian Academy of Sciences and the Main Geophysical Observatory, was held in Sevastopol, 1-5 October 1964. Members of the Leningrad Hydrometeorological Institute, the Institute of Applied Geophysics of the Main Administration of the Hydrometeorological Service, the Institute of Oceanology, AS USSR, the Ukrainian Scientific Research Hydrometeorological Institute, the Computer Center of the Siberian Branch, AS USSR, the Institute of Physics of the Atmosphere, AS USSR, and others also participated in the conference.

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L 58503-65

ACCESSION NR: AP5013178

A total of 18 reports were presented. These dealt with 1) studies of the boundary layer of the ocean, 2) studies of the atmospheric boundary layer, and 3) studies of the direct interaction between the atmospheric and oceanic boundary layers. The majority of the reports, however, were on the boundary layer of the atmosphere. S. S. Zilitinkevich presented a general review of recent studies on vertical turbulent exchange in the surface boundary layer of the atmosphere. N. L. Byzova discussed the computation of wind profiles in the boundary layer for a state of neutral stratification in a range of Rossby numbers from  $10^2$  to  $10^4$ , as well as the computation of the height of the layer, and the geostrophic coefficient of friction and its dependence on stratification.

V. N. Ivanov reported that data on the turbulent energy profiles obtained from a meteorological tower showed that with poor stability and in a state of equilibrium, longitudinal fluctuations in turbulent energy decrease with altitude; however, above 150 m, under slightly unstable conditions, a certain increase in energy is observed with altitude. Turbulent energy decreases with altitude and increases with a rise in instability.

increases with altitude and increases with a rise in instability.

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I 58503-65

ACCESSION NR: AP5013178

Using a system of equations similar to Monin's, S. S. Zilitinkevich, D. L. Laykhtman, and G. Kh. Tseytin presented an analysis of the turbulent regime in the planetary boundary layer of the atmosphere under conditions of neutral stratification. Average turbulence was determined by using von Karman's generalized formula. The solution was presented in the form of several universal functions of a single argument, describing wind profiles, dimensionless profiles of the coefficients of turbulent viscosity, the energy and magnitude of fluctuations, and the dependence of the geostrophic coefficient of friction and of the angle of a full wind on the Rossby number.

E. K. Byutner discussed the application of methods proposed by Blackman and Tewkey in their book *The computation of spectral densities of power* to an analysis of meteorological data. The problem of the relationship of a spectrum obtained from the continuous registration of a finite length of a random stationary function with a true spectrum was analyzed. Errors arising from short-term observations, the discreteness of measurements during observations, and the computation of values based on the average

APPROVED FOR RELEASE: 09/19/2001

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ACCESSION NR: AP5013178

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values of random functions for a specific period of time were studied. Byutner also discussed the propagation of particles in turbulent flow, whose mean characteristics were indirectly determined (computed) using a general Fokker-Planck equation,

F. A. Gisin presented a report on methods of computing the statistical characteristics of meteorological fields, and A. V. Tkachenko discussed the computation of moisture phase transformation in investigating heat and moisture exchange in the boundary layer.

The papers presented at the symposium are expected to be published by "Naukova dumka."

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: ES, GO

NR REF SDV: 000

OTHER: 000

JPRS

Card 4/4

GORELOVA, N. D.

EXCERPTA MEDICA Sec 16 Vol 7/2 Cancer Feb 59

484. *Detection of 3:4-benzpyrene in several species of smoked fish (fluorescent-spectral*

*analysis) (Russian text) GORELOVA N. D. and DEERON P. P. Inst. of Oncol., AMS, Leningrad Vopr. Onkol. 1958, 4/4 (398-405) Tables 6*

The authors investigated the soot scraped from the walls of smoking chambers and specimens of fish smoked in them. The soot contained 0.0001-0.001% of 3:4-benzpyrene. Hot- and cold-smoked sprat contained 3.3 to 6.7  $\mu\text{g}$ . of 3:4-benzpyrene per kg. Fourteen to 38% of the carcinogen was present in the fish meat, if the fish was not scaled and cut before smoking.

GORELOVA, N.D., DIKUN, P.P.

Detection of 3,4-benzopyrene in smoked and half-smoked sausage;  
fluorescent-spectral analysis. [with summary in English]. Vop.  
onk. 4 no.4:405-408 '58 (MIRA 11:9)

1. Iz laboratorii eksperimental'noy onkologii (zav. - chlen.-korr.  
AMN SSSR prof. L.M. Shabad), Instituta onkologii AMN SSSR (dir. -  
deystv. chlen. AMN SSSR prof. A.I. Serebrov). Adres avtorov:  
Leningrad, P-129, 2-ya Berezovaya alleya, d.3/5, Institut onkologii  
AMN SSSR.

(BENZOPYRENE , determ.

3,4-benzopyrene in smoked & half-smoked sausage,  
fluorescent-spectral analysis (Rus))

(MEAT,

same (Rus))

GORELOVA, N.D.; DIKUN, P.P.

Detection of 3,4-benzopyrene in human lung tissue. Vop.onk. 5  
no.8:161-164 '59. (MIRA 12:12)

1. Iz laboratorii eksperimental'noy onkologii (zav. - chlen-korres-  
pondent AMN SSSR prof. L.M. Shabad) Instituta onkologii AMN SSSR  
(dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Serebrov). Adres  
avtora: Leningrad, P-129, 2-ya Berezovaya alleya, d. 5/3, Institut  
onkologii AMN SSSR.

(BENZOPYRENES chem.)  
(LUNG chem.)

GORELOVA, N.D.; DIKUN, F.P.; LAPSHIN, I.I.

Determination of the presence (possibility of occurrence) of 3,4-benzopyrene in liquid smoke and in smoked products. Vop.onk. 5  
no.9:341-346 '59. (MIRA 12:12)

1. Iz laboratorii eksperimental'noy onkologii (zav. - chlen-korrespondent AMN SSSR prof. L.M. Shabad) Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Serebrov) i Instituta narodnogo khozyaystva im. Plekhanova (dir. - A.I. Pefilov). Adres avtorov: Leningrad, P-129, 2-ya Berezovaya al., 3, Institut onkologii AMN SSSR (for Gorelova i Dikun; Moskva, Stremyannoy per., 28, Moskovskiy institut narodnogo khozyaystva (for Lapshin).

(BENZOPYRENES chem.)  
(FOOD ADDITIVES chem.)

GORILOVA, N.D.; DIKUN, P.P.; SOLINEK, V.A.; YEMASHANOVA, A.V.

Amount of 3,4-benzopyrene in fish smoked by different methods.  
Vop. onk. 6 no. 1:33-37 '60. (MIRA 13:10)  
(BENZOPYRENE) (FISH, SMOKED)

NUCMANOV, S.N.; GORKLOVA, N.D.; DIKUN, S.P.

3,4-Benzopyrene content of Home-smoked products in Kazakhstan.  
Vop.onk. 7 no.2:41-43 '61. (MIRA 14:5)  
(BENZOPYRENE) (KAZAKHSTAN—MEAT, SMOKED)

GORELOVA, N.D.; DIKUN, P.P.

Content of 3,4-benzopyrene in fish smoked with the aid of smoke generators of various types. Vop.onk. 7 no.12:71-73 '61.

(MIRA 15:1)

1. Iz laboratorii eksperimental'noy onkologii (zav. - zasl. deyatel' nauki RSFSR prof. N.V. Lazarev) Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Serebrov).

(FISH, SMOKED) (BENZOPYRENE) (CARCINOGENS)